

Title (en)
Connector mounting structure

Title (de)
Montagestruktur für elektrischen Steckverbinder

Title (fr)
Structure de montage pour connecteur électrique

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EP 0961362 A2 19991201 (EN)

Application
EP 99116370 A 19970402

Priority
• EP 97105457 A 19970402
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• JP 10799596 A 19960426

Abstract (en)
A connector mounting structure is disclosed which comprises: a mounting member (10) having a through hole (70); and a connector (40) mounted on said mounting member (10), said connector (40) comprising: a connector body (40) received and fitted in said through hole (70) formed through said mounting member (10); a spring support portion (46) provided respectively at a peripheral portion of said connector body (40), and extended respectively through said through hole (70) adjacent to a peripheral edge thereof; turning spring portions (48) extended from said spring support portion (46), and turned to the peripheral edge of said through hole (70), said turning spring portions (48) having such a configuration that allows said turning spring portions (48) to be resiliently deformed in a direction generally parallel to a connector mounting surface, and that a distal end portion of each of said turning spring portions (48) is engageable with the peripheral edge of said through hole (70), to thereby simultaneously retain said connector body (40) in said through hole (70) and allow said connector body (40) to be slightly displaced in a direction generally parallel to the connector mounting surface in accordance with the resilient deformation of said turning spring portions (48); wherein said through hole (70) is formed and said turning spring portions (48) are positioned so that said turning spring portions (48) are engaged with the peripheral edge of said through hole (70), while said connector body (40) is fitted in said through hole (70). <IMAGE>

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H01R 13/631

IPC 8 full level
H01R 13/631 (2006.01); **H01R 13/74** (2006.01); **H05K 7/14** (2006.01)

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Cited by
EP1143571A3; US6435890B2; US6866528B2; WO0199236A1

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EP 0800237 A1 19971008; **EP 0800237 B1 20010718**; DE 69705658 D1 20010823; DE 69705658 T2 20020523; DE 69725175 D1 20031030; DE 69725175 T2 20040715; EP 0961362 A2 19991201; EP 0961362 A3 20000223; EP 0961362 B1 20030924; US 5823815 A 19981020

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